

Gencor version 4.5
(c) 1993 - 2000 Com

arch time 57.86 seconds

...LDSPKSYNMAVTKEGQVRN 200

ters: 412676

DATE: 09/09/2009

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enseqbp/M11980.DAT.*
enseqbp/M11981.DAT.*
enseqbp/M11982.DAT.*
enseqbp/M11983.DAT.*
enseqbp/M11984.DAT.*
enseqbp/M11985.DAT.*
enseqbp/M11986.DAT.*
enseqbp/M11987.DAT.*
enseqbp/M11988.DAT.*
enseqbp/M11989.DAT.*
enseqbp/M11990.DAT.*
enseqbp/M11991.DAT.*
enseqbp/M11992.DAT.*
enseqbp/M11993.DAT.*
enseqbp/M11994.DAT.*
enseqbp/M11995.DAT.*
enseqbp/M11996.DAT.*
enseqbp/M11997.DAT.*
enseqbp/M11998.DAT.*
enseqbp/M11999.DAT.*
enseqbp/M12000.DAT.*

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dicted by chance to have a score distribution.

Description
A 5'-OT EST (oocyte)
A mouse 5'-OT EST
A human 5'-OT EST
A deleted 5'-OT EST
Fragment of a mutant
Protein regulating
Arbidlopsis thaliss
Arbidlopsis thaliss
Arbidlopsis thaliss
Arbidlopsis thaliss

[illegible]

PT New anti-obesity polypeptide useful for treating obesity or infertility
 PT in mammals -
 PS Claim 1; Page 116-117; 162pp; English.
 CC The present sequence represents a 5'-OT-EST (oxytocin expressed sequence tag) polypeptide. The 5'-OT EST gene is involved in the control of obesity and fertility in males. 5'-OT EST nucleic acids are useful for producing transgenic animals. The transgenic animals created serve as a model for human late onset obesity and other related disorders and are also used for identifying the genetic cause of obesity. Compounds which modulate 5'-OT EST expression or activity are useful in the treatment or modulation of late onset visceral obesity or male infertility particularly in the disorders related to these conditions such as wasting, or anorexia, or cachexia associated with prolonged CC illness, or malabsorptive states or catabolic states associated with CC other diseases such as inflammatory conditions, Crohn's disease or CC AIDS wasting, or burns, or cancer, or bone disease.
 CC Sequence 200 AA:
 SO
 Query Match 100.0%; Score 1004; DB 21; Length 200;
 Best Local Similarity 100.0%; Pred. No. 1.5e-87;
 Matches 200; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLALRLAARPGOPPTLLLPVGRKTRHDPAPSKYGVKMPAPVAPALFVLTERTY 60
 Db 1 mrlalrlaarpqpptlllpvgrktrhdpapkskygvkmpavdpafvlterty 60
 QY 61 ROYRETVRLRREFTLEVRKLEHARAGVLAERKAOEALREHOELMANNRENRLOELR 120
 Db 61 rgyretvrlrreftlevrklnearagvlaerkaealrehoelmannreentrilqelr 120
 QY 121 IARLOLEAOELROAEVQAQAEQAWQLKEQEVLLKLEAFANFTTRENLEARIIEEA 180
 Db 121 iarldleaoelrqaeqvqaqaeqawqlkegevlkqeaanfllrenleartleea 180
 QY 181 LDSPKSYNMAVTKEGOVARN 200
 Db 181 ldspskynmavtkesgvavn 200
 DB
 RESULT 2
 AAY69372
 ID AAY69372 standard; Protein: 200 AA.
 AC AAY69372:
 DT 19-JUN-2000 (first entry)
 DE A mouse 5'-OT EST (oxytocin expressed sequence tag) protein.
 KW Oxytocin expressed sequence tag; 5'-OT EST; obesity; fertility; male;
 KW transgenic animal; human late onset obesity; late onset visceral obesity;
 KW male infertility; wasting; anorexia; cachexia; malabsorptive state;
 KW catabolic state; inflammatory condition; Crohn's disease; AIDS wasting;
 KW burn; cancer; bone disease.
 XX
 OS Mus sp.
 PN WO200009686-A1.
 PD 24-FEB-2000.
 PF 12-AUG-1999; 99WO-GB02658.
 PR 12-AUG-1998; 98GB-0017566.
 PR 06-MAY-1999; 99GB-0010522.
 XX (MEDI-) MEDICAL RES COUNCIL.
 PA
 PI Robinson ICAF, Stoye JP, Flavell D, Wells SE, Le Tissier P;

XX WPI, 2000-224331/19.
 DR N-PSDB; AA651512.
 XX
 PT New anti-obesity polypeptide useful for treating obesity or infertility
 PT in mammals -
 PS Claim 1; Page 121-122; 162pp; English.
 CC The present sequence represents a mouse 5'-OT-EST (oxytocin expressed sequence tag) polypeptide. The 5'-OT EST gene is involved in the control of obesity and fertility in males. 5'-OT EST nucleic acids are useful for producing transgenic animals. The transgenic animals created serve as a model for human late onset obesity and other related disorders and are also used for identifying the genetic cause of obesity. Compounds which modulate 5'-OT EST expression or activity are useful in the treatment or modulation of late onset visceral obesity or male infertility particularly in the disorders related to these conditions such as wasting, or anorexia, or cachexia associated with prolonged CC illness, or malabsorptive states or catabolic states associated with CC other diseases such as inflammatory conditions, Crohn's disease or CC AIDS wasting, or burns, or cancer, or bone disease.
 CC Sequence 200 AA:
 SO
 Query Match 90.0%; Score 904; DB 21; Length 200;
 Best Local Similarity 89.5%; Pred. No. 4.5e-78;
 Matches 179; Conservative 10; Mismatches 11; Indels 0; Gaps 0;
 QY 1 MRLALRLAARPGOPPTLLLPVGRKTRHDPAPSKYGVKMPAPVAPALFVLTERTY 60
 Db 1 mrlalrlaarpqpptlllpvgrktrhdpapkskygvkmpavdpafvlterty 60
 QY 61 ROYRETVRLRREFTLEVRKLEHARAGVLAERKAOEALREHOELMANNRENRLOELR 120
 Db 61 rgyretvrlrreftldvrfklnearagvlaerkaealrehoelmannreentrilqelr 120
 QY 121 IARLOLEAOELROAEVQAQAEQAWQLKEQEVLLKLEAFANFTTRENLEARIIEEA 180
 Db 121 iarldleaoelrqaeqvqaqaeqawqlkegevlkqeaanfllrenleartleea 180
 QY 181 LDSPKSYNMAVTKEGOVARN 200
 Db 181 ldspskynmavtkesgvavn 200
 DB
 RESULT 3
 AAY69371
 ID AAY69371 standard; Protein: 205 AA.
 AC AAY69371:
 DT 19-JUN-2000 (first entry)
 DE A human 5'-OT EST (oxytocin expressed sequence tag) protein.
 KW Oxytocin expressed sequence tag; 5'-OT EST; obesity; fertility; male;
 KW transgenic animal; human late onset obesity; late onset visceral obesity;
 KW male infertility; wasting; anorexia; cachexia; malabsorptive state;
 KW catabolic state; inflammatory condition; Crohn's disease; AIDS wasting;
 KW burn; cancer; bone disease.
 XX
 OS Homo sapiens.
 PN WO200009686-A1.
 PD 24-FEB-2000.
 PF 12-AUG-1999; 99WO-GB02658.
 PR 12-AUG-1998; 98GB-0017566.
 PR 06-MAY-1999; 99GB-0010522.

PX	(MED-)
XZ	MEDICAL RES COUNCIL.
PI	Robinson ICAF, Stoye JP, Flavell D, Wells SE, Le Tissier P;
DR	NFI; 2000-224391/19.
DR	N-FSDB; MAF61511.
PT	New anti-obesity polypeptide useful for treating obesity or infertility in mammals .
PS	Claim 1: Page 119; 16pp: English.
CC	The present sequence represents a human 5'-OT-EST (oxytocin expressed sequence tag) polypeptide. The 5'-or EST gene is involved in the control of obesity and fertility in males. 5' or EST nucleic acids are useful for producing transgenic animals. The transgenic animals created serve as a model for human late onset obesity and other related disorders and are also used for identifying the genetic cause of obesity. Compounds which modulate 5'-or EST expression or activity are useful in the treatment or modulation of late onset visceral obesity or male infertility particularly in the disorders related to these conditions such as wasting, or anorexia, or cachexia associated with prolonged illnesses, or malabsorptive states or catabolic states associated with chronic diseases such as inflammatory conditions, Crohn's disease or AIDS wasting, or burns, or cancer, or bone disease.
SQ	Sequence 205 AA:
Query Match	68.4%; Score 687; DB 21; Length 205; Best Local Similarity 69.8%; Pred. No. 1,7e-57; Matches 139; Conservative 22; Mismatches 38; Indels 0; Gaps 0
OY	I MLALRLLAARCGOPLLTLLEVRGRKTRRPPPKSVGVGCKMPAYPAELFVLTFRY 60 : :: :: Dd l mlalsrlsgagtprrpraplvpargtkrtbdplaksklervmpavpaefvltmery 60
OY	61 ROYREVVATRRPFLTVRGKLHAPAGVLAKRAKOAEIAEHODIWMANRENRSLER 120 : :: :: Dd qlyrqvrslmetelvsevgqrkvhearqgylaeerkaikdaehelnawgaenrllhelr 120
OY	121 IAILOLIEAOQLDAEVCAORBAOEQAIVOLKEDEVTKIOEEKAHPITRWLARIREA 180 : :: :: Db lztlieeeeqdqqlaqetkrdeqvavaqnrvdlgeevkhilcrendearevaa 180
OY	181 LDFSKSTWAVTREGQVR 199 : :: ::
Dd	181 Idsrknymalvtreglvir 199
RESULT	4
AAY69373	AAV69373 standard; Protein; 41 AA. AAY69373: 19-JUN-2000 {first entry}
Dd	A deleted 5'-OT EST (oxytocin expressed sequence tag) protein.
KV	Oxytoxin expressed sequence tag; 5'-OT EST; Obesity; fertility; male; transgenic animal; human late onset obesity; late onset visceral obesity; male infertility; wasting; anorexia; cachexia; malabsorptive state; catabolic state; inflammatory condition; Crohn's disease; AIDS wasting; burn; cancer; bone disease.
OS	Synthetic.
RN	Rattus sp.
WO	WO200009686-A1.
XX	24-FEB-2000.

XX	PF	12-AUG-1998:	99MO-GB02658.	
XX	XX			
XX	PR	12-AUG-1998:	98GB-0017566.	
XX	PR	06-MAY-1999:	99GB-0010522.	
XX	PA	(MED1-) MEDICAL RES COUNCIL.		
XX	PI	Robinson ICAF, Stoye JP, Flavell D, Wells SE, Le Tissier P;		
XX	DR	WPI: 2000-224331/19.		
XX	DR	N-PSDB: AAZ61513.		
XX	PT	New anti-obesity polypeptide useful for treating obesity or infertility		
XX	PT	in mammals -		
XX	PS	Disclosure: Page 124; 162pp; English.		
XX	XX			
XX	CC	The present sequence represents a rat 5'-OT-EST (oxytocin expressed		
XX	CC	sequence tag) mutant polypeptide (designated 5'-OT-EST-ydel), there		
XX	CC	exons x, y and z are deleted and exon v is partially deleted. The		
XX	CC	5'-OT-EST gene is involved in the control of obesity and fertility		
XX	CC	in males. 5'-OT-EST nucleic acids are useful for producing transgenic		
XX	CC	animals. The transgenic animals created serve as a model for human late		
XX	CC	onset obesity and other related disorders and are also used for		
XX	CC	identifying the genetic cause of obesity. Compounds which modulate		
XX	CC	5'-OT-EST expression or activity are useful in the treatment or		
XX	CC	modulation of late onset visceral obesity or male infertility		
XX	CC	particularly in the disorders related to these conditions such as		
XX	CC	wasting, or anorexia, or cachexia associated with prolonged illness,		
XX	CC	or malabsorptive states or catabolic states associated with other		
XX	CC	diseases such as inflammatory conditions, Crohn's disease or AIDS		
XX	CC	wasting, or burns, or cancer, or bone disease.		
XX	XX			
XX	Sequence	41 AA:		
XX				
XX	Query Match	13.4%; Score 135; DB 21; Length 41;		
XX	Best Local Similarity	90.0%; Pred. NO. 4,3e-06;		
XX	Matches	27; Conservative 1; Mismatches 2; Indels 0; Gaps 0;		
XX	DB	1 MRLNRLAARPGOPTLILLPVRKRR 30		
XX	OY			
XX	DB	1 MRLNRLAARPGOPTLILLPVRKRR 30		
XX	RESULT	5		
XX	AAI69375			
XX	ID	AAI69375 standard; Peptide: 41 AA.		
XX	XX			
XX	AAI69375:			
XX	DT	19-JUN-2000 (first entry)		
XX	DE	Fragment of a mutant 5'-OT-EST (oxytocin expressed sequence tag).		
XX	XX			
XX	KM	Oxytocin expressed sequence tag; 5'-OT-EST; obesity; fertility; male;		
XX	KM	transgenic animal; human late onset obesity; late onset visceral obesity;		
XX	KM	male infertility; wasting; anorexia; cachexia; malabsorptive state;		
XX	KM	catabolic state; inflammatory condition; Crohn's disease; AIDS wasting;		
XX	KM	burn; cancer; bone disease.		
XX	XX			
XX	OS	Unidentified.		
XX	XX			
XX	PM	MO200009686-A1.		
XX	XX			
XX	PD	24-FEB-2000.		
XX	XX			
XX	PF	12-AUG-1999:	99MO-GB02658.	
XX	PR	12-AUG-1998:	98GB-0017566.	
XX	PR	06-MAY-1999:	99GB-0010522.	
XX	XX			